As a below-named inventor, I hereby declare that:



## TYPE OF DECLARATION

This declar	aration is of the fol	lowing type: {chec	ck one applicable item b	elow}	
	X			Supplemental	
<u>NC</u>	<u>OTE</u> : If the declaration application do no	is for an Internation to the check next item; c	nal Application being fil heck appropriate one of	ed as a divisional, contin last three items.	uation or continuation-in-part
-			National Stage		
<u>NC</u>	TE: If one of the folio OR CIP.	wing 3 items apply,	then complete and also	attach ADDED PAGES FOR	DIVISIONAL, CONTINUATION
	Division	al	Continuation	XContinu	ation-in-part (CIP)
		INVEN	TORSHIP IDENTIFICA	TION	
Original, III	e listed below) of	I IN ONLY ONE HAS	DM IS USTER REINWI R	r an original tiret and	ne, I believe I am the joint inventor (if plural tent is sought on the
The second secon					
LES E		π	TLE OF INVENTION		
	Urease Helico	-Based Vacci	ine and Treatm	ent for	
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		SPECIF	ICATION IDENTIFICA	TION	
	cation of which:				
(a)	is attached her				
(b)	was filed on		as	Serial No. 0/	:
	or	Express Mail No.,	as Serial No. not	yet known,	and was
			(if		
(c)	was described	and claimed in I	PCT International An	plication No.	filed an
		and as a	mended under PCT	Article 19 on	filed on (if any).
				AND DUTY OF CAND	
the claims,	ate that I have rev as amended by ar	ewed and unders by amendment re	stand the contents of ferred to above.	f the above-identified	specification, including
l acknowle accordance	ge the duty to d with Title 37, Code	isclose informatio ∍ of Federal Reg	n which is material ulations, Section 1.56	to the examination (6(a).	of this application in
	In compliance w 37 CFR 1.97.	ith this duty, ther	e is attached an info	ormation disclosure stat	ement.
DEC-POA1-1		-	Page 1 of 5 -		

. - Page 1 of <u>5</u>-

applica country	application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.							
(d)	X No such applications have been filed.							
(e)	Such applicat	tions have been	filed as follows.					
	NOTE: Where item (c) is entered above and the International Application which designated the U.S. claimed priority, check item (e), enter the details below and make the priority claim.							
	EARLIES (6 N	T FOREIGN APP MONTHS FOR D	PLICATIONS, IF ANY DESIGN) PRIOR TO 1	FILED WITHIN THIS U.S. APPL	12 MONTHS JCATION PRIORITY CLA	MED		
	COUNTRY	APPLICATION NUMBER	DATE OF F (month, day, yea		UNDER 37 US			
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OCCUPA- CONTRACT			ON(S), IF ANY FILEI ESIGN) PRIOR TO T					
E .			POWER OF ATTORN					
As a na transact	amed inventor, I herel all business in the	by appoint the for Patent and Trace	ollowing attorney(s) ar demark Office connec	nd/or agent(s) to ted therewith:	to prosecute this	application and		
E CONTRACTOR DE LA CONT								
	Roland N. Smoot Conrad R. Solum, Jr. James W. Geriak Robert M. Taylor, Jr. Samuel B. Stone Douglas E. Olson Robert E. Lyon James J. Short Robert C. Weiss William E. Thomson, Jr.	Reg. 19,297 Reg. 22,798 Reg. 24,171 Reg. 25,922 Reg. 24,939	Richard E. Lyon, Jr. John D. McConaghy William C. Steffin Coe A. Bloomberg J. Donald McCarthy John M. Benassi James J. Shalek Allan W. Jansen Robert W. Dickerson Kenneth D'Alessandro	Reg. 26,300 Reg. 26,733 Reg. 26,811 Reg. 26,605 Reg. 25,119 Reg. 27,483 Reg. 29,749 Reg. 29,035 Reg. 29,014 Reg. 29,144	David B. Murphy Bradford J. Duft James C. Brooks	Reg. 31,125 Reg. 32,219		
	xxxxx	xxxxxxxxx	xxxxxx Reg	. No. XXXXXX	XXXXXXX			
		part of this dec	the following item, if application and power of and follow instruction	of attorney is		of the above-		
Address	Address all future communications to:  LYON & LYON 611 West Sixth Street, 34th Floor Los Angeles, California 90017 (213) 489-1600							
	Attention: Coe A. Bloomberg							

knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

### SIGNATURE(S)

Full name of sole or first inventor Pierre Michetti
Inventor's signature
Date Trh 18th 1994 Country of Citizenship
Residence Avenue D'Ouchy 25
Post Office Address CH-1006 Lausanne
Switzerland
Full name of second joint inventor, if any Irène Corthesy-Theulaz
Inventor's signature
Date Country of Citizenship
Residence
Post Office Address  X Continued on added page for Inventor's Data.
CHECK BELOW IF ANY OF THE FOLLOWING ADDED PAGE(S) FORM A PART OF THIS DECLARATION  Signature for third and subsequent joint inventors. Number of pages added
Signature by administrator(trix), executor(trix) or legal representative for deceased or incapacitated inventor.  Number of pages added
Signature for inventor who refuses to sign or cannot be reached by person authorized under 37 CFR 1.47. Number of pages added * * * *
X Added pages to Combined Declaration and Power of Attorney FOR DIVISIONAL, CONTINUATION OR CONTINUATION-IN-PART (CIP) APPLICATION. Number of pages added 1
Authorization of attorney(s) to accept and follow instructions from representative. Number of pages added  * * * *
no further pages form a part of this Declaration, then end this Declaration with this page and check the following item: This Declaration ends with this page.

## FOR SIGNATURE BY THIRD AND SUBSEQUENT INVENTORS

Full name of third joint inventor, if any	André Blum
Inventor's signature	
Date	Country of Citizenship
Full name of fourth joint inventor, if any	. Catherine Davin
	Country of Citizenship
Date	Country of Citizenship
7. Care 1	
Л	
Full name of fifth joint inventor, if any	Rainier Haas
100	
្នាំ Date	Country of Citizenship
Residence	
Tartier Charge	
Exemple 1	
Full name of sixth joint inventor, if any	Jean-Pierre Kraehenbul
Inventor's signature	
Date	Country of Citizenship
Residence	
Post Office Address	
seventh	Emilia Carada
	Emilia Saraga
<del> </del>	Country of Citizenship
Date	•
Residence	•
Post Office Address	

## ADDED PAGE TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR DIVISIONAL, CONTINUATION OR CONTINUATION-IN-PART APPLICATION

## CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S) UNDER 35 U.S.C. 120

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a), which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

### PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT UNDER 35 USC 120:

U.S. APPLICA	ATIONS		_	0747110	
Application Nos.	Filing	Date	PATENTED	PENDING	ABANDONED
07/970,996	Nov.	3, 1992			
08/085,938	July	6, 1993		Х	
miller, et	TIONS DESIGN	ATING THE U.S.			
Application Nos.	Filing Date	U.S. Serial No Assigned (if an		STATUS PENDING	ABANDONED
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and specific states of the sta	119 PRIORITY	CLAIM, IF ANY, FOR			IONS
ABOVE		WHICH PRIORITY CL		SC 119	
APPLICATION NUMBER	Country	Application Number	Date of Filing (day, month, year)		of Issue onth, year)

ABOVE		DETAILS OF WHICH PRIORITY	F FOREIGN APPLICATION FROM CLAIMED UNDER 35 USC 119	
APPLICATION NUMBER	Country	Application Number	Date of Filing (day, month, year)	Date of Issue (day, month, year)

COMBINED DECLARATION AND POWER OF ATTORNEY (Original, Design, National State of PCT, Supplemental, Divisional, Continuation or Continuation-In-Part)

As a below-named inventor, I hereby declare that:	
TYPE OF DECLARATION	
This declaration is of the following type: {check one applicable item below}  X Original Design Supplemental	
NOTE: If the declaration is for an International Application being filed as a divisional, continuation or continuation application do not check next item; check appropriate one of last three items.  National Stage of PCT	n-in-part
NOTE: If one of the following 3 items apply, then complete and also attach ADDED PAGES FOR DIVISIONAL, CONTIN	NOITAU
DivisionalContinuationX _Continuation-in-part (CIP)	
INVENTORSHIP IDENTIFICATION	
My residence, post office address and citizenship are as stated below next to my name, I believe I a eriginal, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if dames are listed below) of the subject matter which is claimed and for which a patent is sought of a postent is sought of the subject matter which is claimed and for which a patent is sought of the subject matter which is claimed and for which a patent is sought of the subject matter which is claimed and for which a patent is sought of the subject matter which is claimed and for which a patent is sought or the subject matter which is claimed and for which a patent is sought or the subject matter which is claimed and for which a patent is sought or the subject matter which is claimed and for which a patent is sought or the subject matter which is claimed and for which a patent is sought or the subject matter which is claimed and for which is claimed and for which a patent is sought or the subject matter which is claimed and for which a patent is sought or the subject matter which is claimed and for which a patent is sought or the subject matter which is claimed and for which a patent is sought or the subject matter which is claimed and for which a patent is sought or the subject matter which is claimed and so the subject matter which is claimed and subject matter which is claimed a	plural
TITLE OF INVENTION	
TITLE OF INVENTION  Urease-Based Vaccine and Treatment for Helicobacter Infection  SPECIFICATION IDENTIFICATION	
SPECIFICATION IDENTIFICATION	
the specification of which:	
(a) X is attached hereto.	
(b)was filed on as Serial No. 0 ; or Express Mail No., as Serial No. not yet known, and amended on (if applicable).	d was
(c)was described and claimed in PCT International Application No file and as amended under PCT Article 19 on (	
ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR	
I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.	luding
I acknowledge the duty to disclose information which is material to the examination of this application accordance with Title 37, Code of Federal Regulations, Section 1.56(a).	on in
In compliance with this duty, there is attached an information disclosure statement.  37 CFR 1.97.	

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applica countr applica countr	ety claim foreign priority bene- ation(s) for patent or inventor's co y other than the United States ation(s) for patent or inventor's o y other than the United States of that of the application(s) of wh	ertificate or of any PCT is of America listed belocertificate or any PCT in of America filed by me	nternational applicat ow and have also ternational applicati	tion(s) designating at least one identified below any foreign on(s) designating at least one
(d) _	X No such applications ha	ave been filed.		
(e)	Such applications have	been filed as follows.		
	NOTE: Where item (c) is entered above (e), enter the details below a	ove and the International Applicand make the priority claim.	cation which designated	the U.S. claimed priority, check item
	EARLIEST FOREIGN (6 MONTHS FO	APPLICATIONS, IF ANY OR DESIGN) PRIOR TO	THIS U.S. APPLIC	ATION
	COUNTRY APPLICATION NUMBER		FILING	PRIORITY CLAIMED UNDER 37 USC 119 NO
The first star and the first star star star star star star star s	ALL FOREIGN APPL (6 MONTHS FO	ICATION(S), IF ANY FILI OR DESIGN) PRIOR TO	ED MORE THAN 1 THIS U.S. APPLIC	2 MONTHS ATION
		POWER OF ATTOR	RNEY	
As a r Transac	named inventor, I hereby appoint all business in the Patent and The registered attorneys listed	d Trademark Office conn	ected therewith:	•
S .	LYON, 611 West Sixth Street, 3 whose members are all admitted	34th Floor, Los Angeles,	California 90017, R	legistration No. 11,611,
	Roland N. Smoot Conrad R. Solum, Jr. James W. Geriak Robert M. Taylor, Jr. Samuel B. Stone Douglas E. Olson Robert E. Lyon James J. Short Robert C. Weiss William E. Thomson, Jr. Reg. 18,718 Reg. 20,487 Reg. 20,233 Reg. 20,233 Reg. 20,233 Reg. 20,233 Reg. 20,233 Reg. 20,233 Reg. 20,718	Richard E. Lyon, Jr. John D. McConaghy William C. Steffin Coe A. Bloomberg J. Donald McCarthy John M. Benassi James J. Shalek Allan W. Jansen Robert W. Dickerson	Reg. 26,300 Reg. 26,733 Reg. 26,811 Reg. 26,605 Reg. 25,119	Roy L. Anderson David B. Murphy Bradford J. Duft James C. Brooks Jeffrey M. Olson and
	xxxxxxxxxx	XXXXXXXXXX R	eg. No. <u>xxxxxx</u>	XXXXXX
	Attached as part of the named attorney(s) to ac	{check the following item, if is declaration and power common and follow instructions.	r of attorney is th	e authorization of the above- esentative(s).
Addres	ss all future communications to:	LYON & LYON 611 West Sixth St Los Angeles, Califo (213) 489-1600		

- Page 2 of <u>5</u>-

DEC-POA-.1-1

Attention: Coe A. Bloomberg

I hereby declare that all statements made nerein or my own knowledge are true and triat all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

### SIGNATURE(S)

Full name of sole or first inventor Pierre Michetti
Inventor's signature will be sent sparafely
Date Country of Citizenship
Residence
Post Office Address
Full name of second joint inventor, if any <u>Irène Corthésy-Theulaz</u>
Inventor's signature & Melenda
Date 14.2.94 Country of Citizenship Switzerland
Residence 144 Route du Jorat
Post Office Address 1000 Lausanne 26 (VD) Surherland
X Continued on added page for Inventor's Data.
CHECK BELOW IF ANY OF THE FOLLOWING ADDED PAGE(S) FORM A PART OF THIS DECLARATION
Signature for third and subsequent joint inventors. Number of pages added
Signature by administrator(trix), executor(trix) or legal representative for deceased or incapacitated inventor.
Number of pages added
Signature for inventor who refuses to sign or cannot be reached by person authorized under 37 CFR 1.47. Number of pages added * * * *
X Added pages to Combined Declaration and Power of Attorney FOR DIVISIONAL, CONTINUATION OR CONTINUATION-IN-PART (CIP) APPLICATION. Number of pages added 1.
Authorization of attorney(s) to accept and follow instructions from representative. Number of pages added  * * * *
If no further pages form a part of this Declaration, then end this Declaration with this page and check the following item:
This Declaration ends with this page.

# ADDED PAGE TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR SIGNATURE BY THIRD AND SUBSEQUENT INVENTORS

Full name of third joint inventor, if any And	dré Blum
Inventor's signature	
Date	Country of Citizenship Swith Claud
Residence Vors /e	Collège.
Post Office Address CH 1323 Ry	Country of Citizenship Swith Colland  Collège  mannother VD
	and the second s
Full name of fourth joint inventor, if any Ca-	therine Davin
Inventor's signature	
Date	
Residence Ruell de Mourins	<del>`</del> <del>-</del>
Rost Office Address 1260 NYON	7.D
The second secon	
Full name of fifth joint inventor, if anyRa.	inær Haas
Period Harrie of Hill John Hveritor, if any	
inventor's signature Law 11 2 2 94	Country of Citizenship GERMAN
- Parties	
Residence Charlottensti	
Post Office Address 72070 Tubius	<del>784</del>
3	
Full name of sixth joint inventor, if any Je	an-Pierre Kraehenbu <b>l'h</b>
Inventor's signature	<u>.</u>
Date _///2/44	Country of Citizenship Swiss
Residence 1812 Rive 7	
Post Office Address	
/seventh	ilia Šarāgā
Full name of sixth joint siveritor, if any	
Inventor's signature 40	Country of Citizenship Win Sentand
Date //	1 sv du Temple 1012
Residence dall day	
Post Office Address 1012 Jan a	
DEC-POA1-1 - Pa	ge 4 of <u>5</u> -

# ADDED PAGE TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR DIVISIONAL, CONTINUATION OR CONTINUATION-IN-PART APPLICATION

## CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S) UNDER 35 U.S.C. 120

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a), which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

## PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT UNDER 35 USC 120:

U.S. APPLICA	TIONS		•	AT 1 T 1 A	•
Application Nos.	Filing	Date	PATENTED	STATUS - PENDING	ABANDONED
07/970,996	Nov.	3, 1992			
<b>9</b> 8/085,938	July	6, 1993		X	
98/085,938 0		,			
PCT APPLICA	TIONS DESIGN	ATING THE U.S.			
Application Nos.	Filing Date	U.S. Serial No Assigned (if an		STATUS - PENDING	ABANDONED
200					•
ロ 口 上 35 USC	119 PRIORITY	CLAIM, IF ANY, FOR	ABOVE LISTED U.S.,	PCT APPLICATION	ONS
ABOVE			REIGN APPLICATION AIMED UNDER 35 U		
APPLICATION NUMBER	Country	Application Number	Date of Filing (day, month, year)	Date of	f Issue nth, year)